

METHOD FOR DETERMINING A LONGITUDINAL VEHICLE VELOCITY BY COMPENSATING INDIVIDUAL WHEEL SPEEDS

Abstract

A control system (24) for controlling a safety system (40) of an automotive vehicle includes a plurality of wheel speed sensors (30) generating a plurality of wheel velocity signals, a steering angle sensor (39) generating a steering actuator angle signal, a yaw rate sensor (28) generating a yaw rate signal, a lateral acceleration sensor (32) generating a lateral acceleration signal and a controller (26). The controller (26) generates a final reference vehicle velocity in response to the plurality of wheel speed signals, the steering angle signal, the yaw rate signal and the lateral acceleration signal. The controller (26) controls the safety system in response to the final reference vehicle velocity.